

19970922.qrp v00_n856.qrs.970922

Date: Mon, 22 Sep 1997 19:03:17 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 856

QRP-L Digest 856

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- 1) [27176] Re: "demise of CW"
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- 2) [27177] QRP Afield from home of 'Dem Bums'
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- 3) [27178] Re: tubes
by Bill Carver <bcarver@magiclink.com>
- 4) [27179] SWR Circuit Boards for sale.
by kt3a@juno.com
- 5) [27180] Fleas
by Stew Whitehouse <STEW_W@compuserve.com>
- 6) [27181] FS: QRP Camera
by Stephen Krosner <skrosner@mindspring.com>
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by "Junius B. Fox" <w5hir@mail.phoenix.net>
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- 15) [27190] QAF 97 - Murphy Goes Camping (longish)
by Craig LaBarge <LaBarge_C@compuserve.com>
- 16) [27191] Re: Tube QRP Rigs
by Doug <doug@sunrise.alpinet.net>
- 17) [27192] Re: "demise of CW"
by LynnSimons@aol.com
- 18) [27193] Tube rig kits
by "Frank Grigaliunas" <fgrig@iea.com>
- 19) [27194] OPTIMIZED QRP RIG

- by ARDUJENSKI@AOL.com
- 20) [27195] QRP Afield
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 21) [27196] Tuners and swr
by "Rick LaBanca" <rickl@loa.com>
- 22) [27197] Re: "demise of CW"
by "Rick LaBanca" <rickl@loa.com>
- 23) [27198] Re: Tuners and swr
by Hank Kohl K8DD <k8dd@contesting.com>
- 24) [27199] KnightLite net 9/21
by Randy Hargenrader <randyh@harksystems.com>
- 25) [27200] A NorCal Question . . .
by ko7i@juno.com (Donald H Jones)
- 26) [27201] memorizing questions
by JFKluender@aol.com
- 27) [27202] QRP Afield
by "John C. Anderson" <af9t@cp.duluth.mn.us>
- 28) [27203] CW, QRP, QRO, liberty
by "James R.Sharp" <lobar@doitnow.com>
- 29) [27204] Heathkit Green?
by "L. Jeffrey Hetherington" <jhetheri@freenet.npiec.on.ca>
- 30) [27205] Correction: Tube rig URL <N6EV's Glowbugs Site>
by "Paul Carreiro, N6EV" <carreiro@barepower.net>
- 31) [27206] Re: Tube QRP Rigs
by herr@ridgecrest.ca.us (Michael Herr)
- 32) [27207] Remember Bubba? Late Pictures and stuff
by "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
- 33) [27208] Re: Yaesu QRP
by "Lorraine Y. Aubert" <AC6XK@ivic.net>
- 34) [27209] Tube QRP rigs
by David Smith <qrp-dave@ocsnet.net>
- 35) [27210] ATV/SSTV possibilities for special event
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 36) [27211] tubes
by charles crouchet <crc@io.com>
- 37) [27212] Re: memorizing questions
by Monte Stark <ku7y@sage.dri.edu>
- 38) [27213] N4BP QRP Afield
by Bob Patten <n4bp@shadow.net>
- 39) [27214] Re: "Bad News for Hams, SWLS and Scanner Buffs"
by Wayne Dillon <w.dillon@ic.ac.uk>
- 40) [27215] Beefing up the Sudden RX
by Bill Meara <wmeara@erols.com>
- 41) [27216] Valve wireless --aka tube rigs
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 42) [27217] Heath Sixer 6 meter QRP -Reply
by Paul Cereste <cereste@myapc.com>
- 43) [27218] Peoria Superfest

by Jim Osburn <wd9eyb@indiana.net>
44) [27219] Tubes?
by Bigbob97@aol.com
45) [27220] Tube/Hartley info???
by Steve Galchutt <n0tu@webaccess.net>
46) [27221] Subject: [27051] Re: SST/40 question
by cjl@mail09.mitre.org (Charles J. Ludinsky)
47) [27222] [v31xe@dzn.com: re:qf1a voltages]
by af852@rgfn.epcc.Edu (William R Colbert)
48) [27223] keep the qrp rolling
by jdenison@morelr.com (JOEL DENISON)
49) [27224] Attn: WQORP & QTTF
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
50) [27225] Russian homebrew page a "must see"!
by NilsBull@aol.com
51) [27226] Re: Tuners and swr
by AE0Q V31RY <v31ry@ix.netcom.com>
52) [27227] Tube receiver schemos, plans, planes, save the bales &c
by NilsBull@aol.com
53) [27228] QRP Afield
by "David Maliniak" <dmaliniak@penton.com>
54) [27229] Re: Russian homebrew page a "must see"!
by Ken Lopez <kjlopez@earthlink.net>
55) [27230] Re: The demise of CW
by Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
56) [27231] Info
by "Thomas J. Whalen" <whalen@swcp.com>
57) [27232] Re: The demise of CW
by Vic Rosenthal <rakefet@rakefet.com>
58) [27233] Re: Beefing up the Sudden RX
by ed crowell <w5twr@rconnect.com>
59) [27234] tube rigs
by Steven Weber <kd1jv@moose.ncia.net>
60) [27235] RE: The demise of CW
by "Moore, Randy (William R)" <WRMoore@ingr.com>
61) [27236] Re: The demise of CW
by Monte Stark <ku7y@sage.dri.edu>
62) [27237] K1EL-low cost keyer
by "Jeff M. Gold" <jmg@tntech.edu>
63) [27238] Re: Tube QRP Rigs
by w4bws@juno.com (Donald E Sanders)
64) [27239] Re: MFJ CWF-2
by w4bws@juno.com (Donald E Sanders)
65) [27240] RE: "Tube rigs"
by Sandy W5TVW <ebjr@worldnet.att.net>
66) [27241] QRP AF WA6NAE (+N6WG)
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
67) [27242] K1EL-low cost keyer

by Bob Hightower <ki7mn@dancris.com>
68) [27243] /P Gusher Vertical Matching
by "Mark S. Adams" <msadams@acsu.buffalo.edu>
69) [27244] QRP AFIELD
by Dick Schneider <rschneid@ix.netcom.com>
70) [27245] More on MININEC/NEC-4 with close wires
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
71) [27246] Re: Va Beach Hamfest
by Ricky McNelly <72507.235@compuserve.com>
72) [27247] QRP Afield a la Desert Rat (long)
by Mike J Pulley <Mike_J_Pulley@ccm.ch.intel.com>
73) [27248] anti-cw cry babies,whaaaaaaaaa!
by gregoire@endor.com
74) [27249] Re: The demise of CW
by laura halliday <ve7ldh@direct.ca>
75) [27250] re: Heathkit paint !
by Goemans <jgoemans@facstaff.wisc.edu>

Date: Sun, 21 Sep 97 19:05:44 EDT
From: Joel Malman <malman@BBN.COM>
To: Sandy W5TVW <ebj@worldnet.att.net>
Cc: qrp-l@Lehigh.EDU
Subject: [27176] Re: "demise of CW"
Message-ID: <199709212305.TAA63756@nss2.CC.Lehigh.EDU>

Sandy,

> Sorry but I am 100% against having a "no-code" HF license! Haven't we
> learned ANYTHING from our Citizen's Band experiment on 27 Mhz? Open the
> flood gates with a "no-code" General, and you can kiss the HF bands
> goodbye! Especially QRP and double especially QRP-CW! Honest Injun!

Ahem, did you read the part of my message about the tested elements? CB
is no-code, no-theory license. My proposed no-code (5 wpm is required by
law) includes standard General theory. That means passing elements 1A, 2,
3A and 3B are required to be licensed.

If you want to continue the discussion, please take it off-line, via
personal E-Mail, as I suggested.

/joel wa1qvm

Date: Sun, 21 Sep 1997 14:11:54 -0400

From: "Kevin F. Glynn" <KFGlynn@prodigy.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, "NJ-QRP" <njqrp@NJQRP.ORG>, "LIQRP" <liqrp@waterw.com>
Subject: [27177] QRP Afield from home of 'Dem Bums
Message-ID: <199709212312.TAA36932@mail1y-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

Well the impending rain almost stayed away yesterday from Brooklyn, NYC. I operated the contest at Ft. Hamilton Army Base with Tony WW2W. Many other hams came down to hang out; Sid KB2GEK, Howie N2GOT, Bruce KA2VJD and Richie KG2MB. He operated phone while I was hanging out with the boys.

As Joe N2CX said conditions were horrible. I heard many strong sigs go from 569 to bearyl copyable. I owe HUGE thanks to my YL Mary for getting me her tent to operate in if the rain came. We were just able to take everything down before the rain hit big time yesterday.

I operated my MFJ-9040 at 2 watts and an Icom IC-706 at 3 watts on 20M and 40M into a 40M horizontally polarized delta loop fed with ladder line.

In about 3 1/2 or so mins of or so of operating I worked 16 QSOs on 40M and 9 on 20M with 14 SPCs for a score of 1,400. Wish I was on the air longer, but I had fun. Thanks to the NE QRP club for sponsoring the contest.

72 Kevin N2T0
kfglynn@prodigy.net

Date: Sun, 21 Sep 97 17:26:38 mst
From: Bill Carver <bcarver@magiclink.com>
To: qrp-l@Lehigh.EDU, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [27178] Re: tubes
Message-ID: <199709212328.TAA121437@nss2.CC.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I was too quick on the trigger: two weeks ago I gave all my tubes, except for a couple of 2E26's, to the Idaho Tube Bank. Thousands. Contact WB7CY0 if there is a particular tube you want. They are \$3 each, postpaid.

Those 6L6's are just a tad overpriced. And underpowered. I donated (5) Eimac 4-65s.....I think those are more like 20 watts. For the filament, that is.

Also a few 6146's, 832s, 829Bs.

Regards - Bill - W7AAZ

Date: Sun, 21 Sep 1997 19:35:37 EDT
From: kt3a@juno.com
To: qrp-l@lehigh.edu
Cc: w3hms@aol.com, bobwicks@aol.com
Subject: [27179] SWR Circuit Boards for sale.
Message-ID: <19970922.191122.5415.0.kt3a@juno.com>

The QRP Society of Central Pennsylvania is offering a SWR Bridge Circuit board (PC Board, no parts). It is based on the circuit used in "QRP Classics" page 223, of the Omni Box. This circuit can be used stand alone or in an existing rig. The board comes with a complete Tech manual. Price in the US is \$4.00 which includes shipping. Questions should be sent to: W3HMS@aol.com.

Mail a check made out to ROBERT WICKS

SEND TO:
JOHN JAMINET, W3HMS
912 ROBERT STREET
MECHANICSBURG, PA 17055

Cameron C.R. Bailey <><
Amateur Radio, KT3A
kt3a@juno.com
Mount Wolf, Pennsylvania

Date: Sun, 21 Sep 1997 19:46:04 -0400
From: Stew Whitehouse <STEW_W@compuserve.com>
To: Low Power Amateur Radio <QRP-L@Lehigh.EDU>
Subject: [27180] Fleas
Message-ID: <199709211946_MC2-214E-E56@compuserve.com>

MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi folks,

Went to a Hamfest in New Port Richey, Fla today. Picked up a nice Navy type flame proof hand key made by Telephonics Corp in NY. Black crinkle finish with number CTE-26003A, Navy type knob. Any tid bits of knowledge about this would be appreciated. Also got a Speed-x copy with brass finish base and chrome uppers. has shorting bar and paddle lever is =

mounted in ball bearings, has really nice feel. Seller said these were made for the U.S. Navy but I think it is just a nice looking Japanese key with good feel - Price was right too.

The Big purchase of the day was an exceptionally clean Heathkit DX-60B with handful of ft243 crystals (most seem to be for 10 meter AM freqs) Widow just wanted to clean out and was dropping her prices even before you could bargain. Guess I'll have to dig =

that old Drake R4B receiver out of the garage and see if I can get it to work. Guess I'm also on the lookout for a clean HG-10 VFO now. Anyone know if that 7Mhz VFO in W1FB's Notes will drive the DX-60?

One other item. I saw a TEC-200 O'scope at the hamfest. This is a small portable and included probes and carrying case. Seller said that battery and CRT were new. (of course battery needed charging) Also said he had operators and service manuals (at home). I had never seen this model before and didn't want to shell out \$200.00 for a tiny little scope I didn't know anything about and had dead (new) battery!

QRP stuff - nada. All in all a fun morning.
72/73 Stew ke4yh
Delightful Dunedin, Florida

Date: Sun, 21 Sep 1997 19:51:43 -0400
From: Stephen Krosner <skrosner@mindspring.com>
To: qrp-l@Lehigh.EDU
Subject: [27181] FS: QRP Camera
Message-ID: <3.0.3.32.19970921195143.006b15dc@mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well...the camera probably isn't QRP but it does take Quality Rig Pictures.

I have an extra Chinon ES-3000 digital camera for sale. it has three levels of resolution Normal, Fine and Superfine. The SF mode is 640x480 not compressed. It holds 5 pictures in SF mode or 40 in Normal in the internal memory. I'll include a 4Mb PCMCIA memory card to store 21 pictures in SF mode.

It comes with a cable to attach to your serial port and software to manage the transfer and view the pictures.

Asking \$400. Please reply by private email.

73, Steve

K2ZPF, QRP-941

Stephen Krosner, PhD
Information + Education Inc.
2734 Eagle Ridge Rd.
Marietta, GA 30062
Phone: 770-587-1362
Fax: 770-640-7447

Date: Sun, 21 Sep 1997 19:55:32 -0400 (EDT)
From: W7GVN@aol.com
To: qrp-1@lehigh.edu
Subject: [27182] Re: S-38B schematic
Message-ID: <970921195355_779111118@emout06.mail.aol.com>

Although similar the S-38 (1946) was a six tube radio all the following models were five tube sets. the major difference was the S-38 used an 12sq7gt as a bfo and noise limiter. In later sets the noise limiter was eliminated and part of the if amp was the bfo. If you have access to Sams Photofact files there is a Sams folder for all the hallicrafter general coverage receivers as well as other mfg's sets. Ham band only receivers were not covered.

72/73 W7GVN Rod Tucson

Date: Sun, 21 Sep 1997 19:10:29 -0500
From: "Junius B. Fox" <w5hir@mail.phoenix.net>

To: qrp-1@Lehigh.EDU
Subject: [27183] autotuner
Message-ID: <3.0.1.32.19970921191029.00756e08@mail.phoenix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

WTB an autotuner of the type used by alinco,Icom or motorola or whatever. I have an LDG AT-11, but don't think it is rugged enough for mobile work. If you have an autotuner for mobile work, please contact me directly by e-mail

regards,

Foxy
w5hir@mail.phoenix.net

"success is recognizing a dead horse and burying it with the least ceremony"

Date: Mon, 22 Sep 1997 00:45:33 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-1@Lehigh.EDU
Subject: [27184] Weird stuff on 30
Message-ID: <3.0.16.19970921234307.24f7556c@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I was on 30m late yesterday afternoon running my 38S, when suddenly tty-sounding signals appeared all over the band, spaced roughly 5 kcs apart. It was real "watery" sounding, aurora-like, but very strong, with occasional deep fades.

Assuming the lil 38S went nuts, I turned on one of the commercial rigs, and there it was, all over the place, about s-8 to 9, with regular fading. It lasted about 15 minutes, then disappeared just as quick as it started. Anyone else catch this?

...rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Sun, 21 Sep 1997 19:59:02 -0700
From: "CHRIS" <guardian@mvtel.net>
To: <qrp-1@Lehigh.EDU>
Subject: [27185] LED READ OUT
Message-ID: <9709220056.AA02922@host.ot.centuryinter.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang

What happened to the LED readout project that was in the works a few months ago? A fellow QRP-Ler or NORCAL member was working on it.

tnx
chris

Date: Sun, 21 Sep 1997 17:55:40 -0800
From: David Kidd <ka7ozo@pacifier.com>
To: qrp-1@lehigh.edu
Subject: [27186] Needed info
Message-ID: <v03007801b04b7fe545fb@[206.163.58.29]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Is there a specific weekend devoted to QRPing? If so, could someone tell me when it is?

What counties are most needed in eastern Oregon? I will be going there with KG7PV if we can find out when is the best time and where people need us to go.

72,
Dave

Amateur Radio Operator:
KA7OZO @ K7IQI.#NWOR.OR.USA.NOAM (packet)
QRP enthusiast (QRP is all you need!)
10X #53134
County Chaser (986 confirmed)

Date: Sun, 21 Sep 1997 21:03:01 -0400 (EDT)
From: Robert Parks <rob3ert@vegas.infi.net>
To: qrp-l@Lehigh.EDU
Subject: [27187] Demise of CW
Message-ID: <199709220103.VAA05403@fh102.infi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Although I don't have a strong aversion to a "no-code" license for HF ham use, I do feel that if that happens, we will lose most, if not all of our CW-only frequencies due to the fact that there will be so many new hams that the crowding on the existing bands will be intolerable. I do have a strong aversion to that. To paraphrase Sandy, ALL the HF bands will be like a combination of CB and 75 phone, IMHO.

And Sandy, I don't think the author of the piece I referred to is, himself, against CW. His call is KD9LA, and he is listed as an Advanced.

Date: Sun, 21 Sep 1997 21:04:56 -0400 (EDT)
From: NilsBull@aol.com
To: ku7y@sage.dri.edu, QRP-L@Lehigh.EDU
Subject: [27188] CW bites it & other gibbering . . .
Message-ID: <970921210425_-128950705@emout03.mail.aol.com>

In a message dated 97-09-21 12:39:45 EDT, Ron write: "Or would a step back to less technology but greater reliability be the better route?"

You ask many questions, white man. . .

Tell you the truth, I think that the CW drill/test question is moot. One way or the other, it's gonna end up like handset type and cast iron presses. I otter know, I got all that stuff in the garage too . . . along with an intermediate step.

Looks like this to me: CW with a straight key = hand set type, composing stick, maybe a rocker platen press, maybe motorized, otherwise run with a treadle. (Ask me, I'll name 'em.)

CW with bug = hand set type, composing stick, rocker platen, motor on the press, maybe a Horton Pulley to try your patience.

CW with keyer = Intertype caster, rocker platen, motor & maybe a feeder. Full size fountain for extra measure (like a one memory keyer).

CW with keyboard = caster, feeder, press, good lighting and a decent heater in the winter.

No CW? That's easy. No CW but data or voice (machts nichts to me, see?) = Full Aldus publications/photo package, scanner, laser printer and a Risograph what'll do 11x17 direct from computer controls.

So whatcha get? Quick publications that almost anyone with decent typographic sense can run with minimal difficulty. Web Page authoring is changing all that now, what with really good work coming out of folks who've had only marginal typo-graphic arts training. And guys like me? Piece of cake.

When the last caster gets turned into refrigerator door handles (like after no one in the Third World wants to mess with it [did you know that they still handset in India? 'Tis true, 'tis true.]) that'll be the end of printing as Gutenberg knew it. Same with CW. What you and I and a lot of other folks know of as radio is already getting changed. Spread spectrum, frequency hopping, SITOR/AMTOR whatever for, it's gonna change. When the last CW key gets melted down to make cartridges for some mountain pass patriot's AK47, radio as Marconi or Hertz knew it will be passe. Only old fuddy-duddies like me and others of us will remain, tapping away in the night (or stickin' type in a cold garage).

Kinda weird. I don't know if it's gonna be that big a deal with me. I like CW, mainly 'cause I'm an old fuddy-duddy. But I'm hip enough to know that some day it's gonna be something my grandkids will talk about.

"Yeah, grampa Nils used to use one of those things. He'd stay up 'til all hours talking to people all over the place. It was really . . . 'Scuse me. . . I gotta answer this page from . . . Ole & Sven . . . Ja, ja . . . Vi kommer imorgen tidlig ved flyet . . .Ja, den hele familien . . ."

73 (now there's a weird one . . . No one will know what that means in another 75 years or so . . .)

Nils

WB8IJN &c.

The Tagalong Press

". . . transportasjon-maskinet? Nei . . . Jeg tror inte paa transporterene . . . Du? Ja? Uffda . . ."

Date: Sun, 21 Sep 1997 21:13:37 -0400 (EDT)
From: NilsBull@AOL.com
To: QRP-L@lehigh.edu
Subject: [27189] My page & age & forgettin' where I put the possums . . .
Message-ID: <970921210427_1696910926@emout05.mail.aol.com>

Gang,

One or two have noticed that, while bleating my own horn about my new web page layout, I failed to give the URL. So . . .

My web page (in all it's revised glory) is at

<http://members.aol.com/nilsbull>

Ok?

73
Nils
WB8IJN &c

Date: Sun, 21 Sep 1997 21:42:28 -0400
From: Craig LaBarge <LaBarge_C@compuserve.com>
To: QRP-L Mailing List <qrp-l@Lehigh.EDU>
Subject: [27190] QAF 97 - Murphy Goes Camping (longish)
Message-ID: <199709212142_MC2-2146-FD70@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

I loaded up the pickup truck for some camping at French Creek State Park here in southeastern PA and to work the QRP Afield contest. Little did I=

know that Murphy was riding shotgun and brought a truckload of badgers wi=th him.

When I arrived on site, I noticed that the picnic table that belong on my=

site was sitting over on the next site. After nearly giving myself a hernia, some kind soul saw me stuggling and offered to help me move the table over. After setting up the tent and a tarp over the table, I set about getting some wire up into the trees. This part went pretty well. =

I used my patented "golf ball" technique to heave-ho a line up into the trees and my aim was dead-on. The weather reports were calling for a storm, so I decided to keep the antenna very simple in case I was forced to bail out.

When I went to set up the radios, things didn't go as well. I dropped my homebrew paddles (which I affectionately refer to as the "GCK" or "Garbage Can Keyer") and broke an epoxy joint. I had a J38 as a back up, but I couldn't picture running the whole contest with a straight key. I spent about 20 minutes patching up the paddles with some electrical tape and got them back in useable shape.

When I went to tune up the wire I had in the trees, I was getting a really crummy match on both 40 and 20 meters. I replaced the wire with my trusty 66' end-fed wire, but the problem persisted. Turns out that I had my Rainbow SWR bridge connected backwards! After fixing that, everything tuned up fine. I stayed with the 66' wire in an inverted L configuration

rather than the experimental antenna I was going to try. The rigs were an SW-40 (950mW) and a GM-20 (which I *thought* was set at 950mW). Next, the edits and dahs somehow got reversed on my CMOS Super Keyer and I forgot how to reverse them. The instructions, of course, were at home. I worked the first hour or so holding the paddles upside down! After a while, I started randomly pushing buttons on the keyer and managed to get it straightened out.

As some other East-coasters have noted, the bands were stinko here. QSOs at 950mW were a real struggle this time out. I spent most of my time on 40 meters which faded in and out all afternoon. On 20 meters, I only could hear the usual big guns (N4BP, K5ZTY, K10F, etc.). Twice, the rain got heavy and I had to dismantle the rigs and seek cover. When I was about to

pack it in for good, I gave 20 meters one last check and there was AL7FS =
in
Alaska! Despite all of the problems and the dismal score, AL7FS made the
trip worthwhile.

After returning home, I found that the GM-20 was actually set for 2 watts=
rather than my usual 950mW. (I need a better checklist next time I get
ready for one of these!) I suspected as much, since my GM-20 has a key-up
thump that is much more noticeable at higher power. So, if mixed
categories are a no-no, I'll have to disregard the 20 meter QSOs. The
totals were:

40M: 11 QSOs with 9 multipliers (low power)
20M: 4 QSOs with 3 multipliers (high power)

Oh well, better luck next time! (I hope)

73, Craig WB3GCK

Date: Sun, 21 Sep 1997 19:49:52 -0600
From: Doug <doug@sunrise.alpinet.net>
To: ku7y@sage.dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [27191] Re: Tube QRP Rigs
Message-ID: <3425CEBF.1CBB17A4@alpinet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Ron and the Gang. I can remember myself and a couple crazy
buddys of mine building an amp out of 8 6L6's (metal can) and
running them dipped in a bucket of icewater. Yes, it ran 400 watts
for a while, but didnt last long due to a fracture of one of the metal
envelopes and an explosion of the HV supply shortly thereafter.
What a learning experience.....next time I guess we should use 12!.

73

Doug, K7YD

Monte Stark wrote:

> Hi Rod,
>
> Old Coot test.....
>
> Remember the old metal JAN 6L6's??
>
> Remember running a little to "hot"??
>
> Remember running them upside down sticking in a can of water for
> cooling??
>
> If you do, you'r an old coot!! :-)
>
> 73, Ron, SOWP 5545M,
>
>KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>ku7y@sage.dri.edu.....Washoe Lake, Nevada....
>QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sun, 21 Sep 1997 21:59:08 -0400 (EDT)
From: LynnSimons@aol.com
To: malman@bbn.com, qrp-l@Lehigh.EDU
Subject: [27192] Re: "demise of CW"
Message-ID: <970921215703_962859869@emout13.mail.aol.com>

In a message dated 97-09-21 17:23:09 EDT, malman@BBN.COM writes:

<< Folks,

Just my 72 cents worth ... Flame me if you want at: malman@bbn.com

Some say the demise of CW is near.

I suspect that most of the people that say the demise of CW is near are the people who want the demise of CW to be near, for a reason to match their desires (for example: a no-code HF license).

The "no-code" license by itself is not really such a bad thing. Of

course international law requires at least a CW test (is 5 WPM specified, I don't know) >>

Hi all,

Just thought I would add my \$0.02 also. I am an avid CW operator; do not do any SSB stuff. But I tend to agree with Joel on this. I am not one of these who feel that we absolutely have to hold the ability to know CW over anyone's head. I think that we are just going to have to face the fact that things are changing. Even the military is phasing out CW. You all have probably seen the articles about the big production the Coast Guard held when they officially discontinued their use of CW. Now if we are really concerned about the slowing of the growth of amateur radio I believe incorporating something like the no code general class ticket that Joel mentioned would certainly cause an increase in the number of folks getting that class of license.

Well, I'll get off my soap box.

72/73,

Lynn KJ3V

Date: Sun, 21 Sep 1997 19:14:25 -0700
From: "Frank Grigaliunas" <fgrig@iea.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [27193] Tube rig kits
Message-ID: <199709220214.TAA09472@comtch.iea.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Paul Carreiro, N6EV <carreiro@barepower.net> wrote:

> P.S. : The only Tube Transmitter Kit that I know of is called the
> Cake Pan 5W. As I remember, it uses a single 6AL5 as osc/tx.
> I don't have the info here in front of me. To tell the truth, not
> sure if it is on the web site (there's so much there!). If there
> is interest, I'll dig up the info on who supplies the kit. N6EV

The Cake Pan transmitter, as well as a new Cake Pan receiver, is sold by Vintage Radio at this URL: <http://www.mnsinc.com/bry/vintage.htm>

There's at least one other transmitter kit available. Bob Shelton, N2EDF, rcs@goes.com offers a 2-Band 1-tube Breadboard radio transmitter that

was developed from an article in October 1994 issue of CQ Magazine. It's got a much greater output than what's usually discussed here, ranging from 5 to 10 watts. It uses a 50C5 tube and an octal socket to hold FT-243 type crystals, and the kit contains essentially all you need but the crystals (and headphones, key, and antenna). The cost of the kit is \$39.00 postpaid.

Being both a novice and a cheapskate, the N2EDF kit appeals to me. What I'd like to see is a one-tube receiver kit or plan that is within the building ability of a poor neophyte like me. If anybody knows of any, I'd be happy to hear about it.

-- Frank

Frank Grigaliunas, W. 1816 Dean, Spokane, WA 99201
fgrig@iea.com -==*- (509) 326-7147 -==*- <http://www.iea.com/~fgrig/>
"The Internet doesn't annoy people. People annoy people"

Date: Sun, 21 Sep 1997 22:18:46 -0400 (EDT)
From: ARDUJENSKI@AOL.com
To: qrp-l@Lehigh.EDU
Subject: [27194] OPTIMIZED QRP RIG
Message-ID: <970921221802_252361589@emout04.mail.aol.com>

For a winter project I was looking thru the ARRL HANDBOOK and notice the OPTIMIZED QRP RIG for 40M. Has someone out there built one and is it a good little unit??

Thanks...Alan KB7MBI

Date: Sun, 21 Sep 1997 21:22:47 -0500
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@Lehigh.EDU
Subject: [27195] QRP Afield
Message-ID: <3.0.3.32.19970921212247.006ad1b0@molsun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi all,

Had fun my first contest, stayed on 40m (only band right now with a working radio). Heard lots of stations that signed with QRP or TEST, but were going to fast for me to copy their calls. Did manage to complete 5 Q's with some patient ops.

KS4L - AL
KI4I - TN \ 2 Jims from Memphis.
K4YD - TN /
W2KJ - NC
NR3E - TX

Almost hads = 2 more.

Almost all I heard was SE and S, though I did barely hear NA5N before a big signal jumped on top. Maybe everybody else was in the signals that went to fast?

73,
--adam , n2brt

=====
Adam B. Kanis
adam-kanis@uiowa.edu
=====

Date: Sun, 21 Sep 1997 22:35:20 -0400
From: "Rick LaBanca" <rickl@loa.com>
To: "Qrp List" <qrp-l@lehigh.edu>
Subject: [27196] Tuners and swr
Message-ID: <199709220232.WAA115742@nss2.CC.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I need to get a tuner... I just put up a full wave loop (80m) and currently have the emtech nw40 and want to get better than my 3:1.

It's not really a qrp question, but then again, would I look for a tuner that did better with low power? I kinda think that's a moot point! But my question is what is good to get for a versitile tuner?

The other topic is swr. There are many books that say people are over concerned about swr, and it isn't that critical after all. I agree on

transmit, but all these books seem to skip over one issue, receiving! I have found in that when I had a tuner, getting my match low, gave me much better reception, and rejection of strong broadcast noise. I wonder why they miss this point?

Rick LaBanca kaleze

Date: Sun, 21 Sep 1997 22:43:28 -0400
From: "Rick LaBanca" <rickl@loa.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27197] Re: "demise of CW"
Message-ID: <199709220240.WAA128417@nss2.CC.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Forget about what cw is as a mode... the reality is that it's an uncheatable (or nearly so) test element.

Presently, the non-code elements are easily passed by memorizing and not learning. If somehow these elements were given so cheating were reduced significantly, no code would be ok. You would have to get rid of the question pools and do something else, what I don't know.

You'll get bad operators without code because a license gotten by memorizing the questions is of far less value than one obtained through learning the theory.

To me, no-code for all would be like a drivers license without a road test, help!

Rick LaBanca kaleze

Date: Sun, 21 Sep 1997 23:04:02 -0400
From: Hank Kohl K8DD <k8dd@contesting.com>
To: rickl@loa.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [27198] Re: Tuners and swr
Message-ID: <2.2.32.19970922030402.00757644@tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:35 PM 9/21/97 -0400, Rick LaBanca wrote:

>It's not really a qrp question, but then again, would I look for a tuner
>that did better with low power?

No.

>I kinda think that's a moot point!

Yes it is. When I had a Johnson KW Matchbox tuner, it worked every bit
as good (or better) with my old HW-8 as any of the smaller wattage tuners.

>But my
>question is what is good to get for a versatile tuner?

I really like the MFJ-971. Once you calibrate the cross needle wattmeter
with a known good wattmeter, it is a great little tuner with a 6 watt full
scale meter. Works well with balanced, single wire or coax.

>The other topic is swr. There are many books that say people are over
>concerned about swr, and it isn't that critical after all.

If it's under 2:1 - it isn't that critical.

>I agree on
>transmit, but all these books seem to skip over one issue, receiving! I
have
>found in that when I had a tuner, getting my match low, gave me much
better
>reception, and rejection of strong broadcast noise. I wonder why they miss
>this point?

Good point. Although with a poor match, or a non-resonant antenna,
sometimes
- not always, but sometimes - the noise goes down farther than the
signals in
level and it makes it easier to copy the intended signal.

The only real way to know if you have a good match between your receiver and the antenna is to use a noise bridge or one of the MFJ Antenna Analyzers. And that is fine - assuming that your receiver input is 50 ohms! Best, and most likely the cheapest, is peak the tuner for maximum noise on receive and you will probably be pretty close on transmit!

Good luck and hope to see you on the air.....

73 Hank K8DD

*/ Hank Kohl K8DD k8dd@contesting.com
*/ ARRL TS (k8dd@t1r.com)
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

Date: Sun, 21 Sep 1997 23:05:25 -0400
From: Randy Hargenrader <randyh@harksystems.com>
To: qrp-l@Lehigh.EDU
Subject: [27199] KnightLite net 9/21
Message-ID: <3425E075.8F0@harksystems.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The KnightLite Net was well attended tonite with 12 check-ins! K4NK, K1CL, K4WZ, AF4FE, KA8OKH, AF4FF, AA4XX, AB4PP, N3GO, VE3SP, and WA4IML made the effort to battle QRN and QSB to be counted in tonights Net effort! Thanks to all!
Some notes from the "forum":
K4NK sez the 2nd tower is up getting ready for a huge loop antenna...
AF4FE and AF4FF checked in again! Good fists on both accounts!
KA8OKH using a new audio filter to battle the QRN...
N1SB was using a new end fed antenna...
AB4PP was the only station I had trouble copying. Sorry JP! QRN/QSB!
WA4IML checked in from Winterville, GA which isnt *that* big a deal (I suppose) except this NCS lives in Summerville, SC! What a hoot! Winterville worked Summerville last night!

OK, A fun time was had by all! Thanks for the participation gang!

The Knightlite net meets every Sunday night at 9:30PM(eastern) on 3.686.4 MHz (or so). Please come join us. We welcome all folks

with all rigs (QRO included!) and all speeds!

--

73, Randy WJ4P

Knightlites QRP-L #296

Date: Sun, 21 Sep 1997 23:37:37 EDT
From: ko7i@juno.com (Donald H Jones)
To: qrp-l@Lehigh.EDU
Subject: [27200] A NorCal Question . . .
Message-ID: <19970921.203446.7727.2.ko7i@juno.com>

I recently joined NorCal, and received a welcome letter from Jim Cates.
What I am wondering is,
does the NorCal club issue club member numbers? i.e. NWQRP #435 If so,
how do I get one? Asking this question, I tried to e-mail Jim at
"wager@juno.com" but the message was returned as undeliverable.

Thanks for the BW.

Don Jones

ko7i@juno.com

Stanwood, WA

360-652-0248

Date: Sun, 21 Sep 1997 23:51:46 -0400 (EDT)
From: JFKluender@aol.com
To: qrp-l@lehigh.edu
Subject: [27201] memorizing questions
Message-ID: <970921235030_-296791905@emout03.mail.aol.com>

Fellow qrp-l'ers,

In a recent message it was suggested that memorizing the answers to the written elements was somehow "cheating" and that the licenses of those who memorized were somehow not as good as those who fully understood the theory.

While I understand that it is certainly preferable to understand the theory, I must adamantly disagree with this rather broad and unfair statement. You simply CANNOT expect all hams to be able to understand everything. When I was 13 I passed the extra class exam by memorizing a good portion of the 500 questions in the pool. Does this make me an inferior ham today? Did it then? Of COURSE NOT! I did what I could at the time! Over the years I have learned. That early attempt at learning - and despite what the New Learning gurus say, memorization is a form of learning which is quickly becoming a lost art - has blossomed into a career in semiconductor engineering. My early experiences with my elmers in ham radio led to an

education in electrical engineering, a masters degree, and now a good job.
Now I understand what at the time I memorized.

And I will remind you that everone who memorizes an extra class exam still needs to know and be able to use 20 wpm code. Anyone who does that is committed enough to the hobby to try to learn the theory in the long run. I'll venture a guess that many people who stumbled into this hobby the way I did have been enriched by it just as I have.

Does that make our licenses inferior?

Joel NF9K

Date: Sun, 21 Sep 1997 22:56:17 -0500 (CDT)
From: "John C. Anderson" <af9t@cp.duluth.mn.us>
To: qrp-1@Lehigh.EDU
Subject: [27202] QRP Afield
Message-ID: <199709220356.WAA24889@superior.computerpro.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I had a great time at QRP Afield. Operated from county park 20 miles south of Superior, WI. Same site as I operated Bubba test from picnic table with 84deg temp. Wx Saturday was a bit cooler, 58 deg and strong winds.

Due to work conflict, I didn't get to the park until 1900z.

Problem 1: Gate to park locked. Ended up parking at boat landing next door and carrying equipment to operating site. No big deal...

Problem 2: Discover all picnic tables locked in storage building. No table or chair in car. Slightly big deal. Operate from warm, comfortable car with dipole in a valley or operate standing on ridge with dipole in high pine tree with lake view for 270 degrees?? Discovered operating standing up isn't all that hard. Also my 900mW needs all the height it can get.

Got Sierra and LDG tuner fired up at 1930z and worked AL7FS on 20 meters for my first qso and also 45 min later on 15 meters for my only qso on that band.

Loudest sig on 20 was N4BP. WQ8RP was by far the loudest sig on 40 meters.

I ended up operating 2 1/2 hours and made 24 qso and 12 spc. Seven contacts were with Texas stations. Only a few stations that couldn't copy my puny signal. There are some excellent ears out there!

BTW, just got done putting up 2 ele 40 meter yagi on KR0B's new 110 ft tower.

The KT34XA goes up next weekend. I might try a little fox hunting with a big antenna. 72, John AF9T

Date: Sun, 21 Sep 1997 20:54:06 -0700 (MST)
From: "James R.Sharp" <lobar@doitnow.com>
To: qrp-l@Lehigh.EDU
Subject: [27203] CW, QRP, QRO, liberty
Message-ID: <199709220354.UAA02957@in4.doitnow.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Must admit, I'm a pessimistic, jaded, 49 year old..but I believe the greatest threat to HAM Radio activity is our own government and/or greed.

"He who would trade liberty for security #####
deserves neither!" #####
Benjamin Franklin #####
++++++ #####
Jim Sharp KC7GHP from Peoria, Az #####

TS140--NCG72150--AT11--Inverted shortened #####
wire Vee, homebrew 5/8 6m verticle--- RC #####
flying---sailing, bicycling---Grandfather #####
x 2----average IQ---etc. etc. #####

lobar@doitnow.com

Date: Mon, 22 Sep 1997 00:10:49 -0400 (EDT)
From: "L. Jeffrey Hetherington" <jhetheri@freenet.npiec.on.ca>
To: Multiple Recipients of List <qrp-l@Lehigh.EDU>
Subject: [27204] Heathkit Green?
Message-ID: <Pine.A41.3.96.970922000748.31914A-100000@NiagaraNet.npiec.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi everybody. Once again, something discussed in the past on this list is now of interest to me ... and I didn't take note of it before. 8(

Is there anybody that can tell me a source of a colour match for the

"Heathkit Green"? I am going to be building some accessories for my "new" HW-8 and would like to paint them to match. Any help would be greatly appreciated as always.

Thanx.

Jeff - VA3JFF

=====
L. JEFFREY HETHERINGTON
Canadian QRP Award Sponsor
<http://www.geocities.com/Colosseum/2572/QRP.html>
E-mail: L.Jeffrey.Hetherington@InternetAddress.com

Date: Sun, 21 Sep 1997 21:09:16 -0700
From: "Paul Carreiro, N6EV" <carreiro@barepower.net>
To: qrp-l@lehigh.edu
Subject: [27205] Correction: Tube rig URL <N6EV's Glowbugs Site>
Message-ID: <3.0.32.19970921210511.006ad958@mail.barepower.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:38 PM 9/21/97 -0700, I wrote:

>My Glowbug (Homebrew Tube Rigs) Web site is still at the same URL:
>
>www.barepower.net/~carreiro/Glowbugs/Glowbug.html

00oops.. should have checked my typing. There is no 'l' on the end.
The proper URL is :

<http://www.barepower.net/~carreiro/Glowbugs/Glowbug.htm>

Sorry for the mix up.

73 Paul N6EV

Paul F. Carreiro - N6EV - ex-N6HCS - El Camino Village, CA
mailto:carreiro@barepower.net - <http://www.barepower.net/~carreiro/>
QRP - Boatanchors - Glowbugs - Mobile CW - QRQ +45WPM - ZUT!
NorCal #367 - QRP-L #236 - QRP ARCI #8885 - FISTS #1407
SCQS #1 - Southern California QRP Society
Zuni Loop Mountain Expeditionary Force (QRP Field Day)

Date: Sun, 21 Sep 1997 21:27:05 -0700 (PDT)
From: herr@ridgecrest.ca.us (Michael Herr)
To: qrp-1@Lehigh.EDU
Subject: [27206] Re: Tube QRP Rigs
Message-ID: <v01530503630c7f68c2f3@[199.120.150.117]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hey, I've been using a single tube rig (3A4) on 40meters, battery powered and using a Heathkit GR-81 for receive (built by yours truly in '65) and have a ball.

Here's an idea, how about a nice little QRP transceiver, all tubes for a project. Could all use the same tubes, say a 3A4 or 1S4 and run off batteries (9 volts ones in a string). Actual parts count would be low. Like I said, just a thought.

vy 72

Mike WA6ARA

Date: Sun, 21 Sep 1997 23:35:03 -0500
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
To: qrp-1@lehigh.edu
Subject: [27207] Remember Bubba? Late Pictures and stuff
Message-ID: <3425F573.414B@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Gang,

No one ever said I was fast, but I finally got my pictures up on the web from my Bubba operation. Including the one with the thermometer at 110 degrees!

Check out my web page at:

<http://uts.cc.utexas.edu/~hansong/>

and go to the section called Bubba '97.

I also have the construction details of my "portable" mini-yagi under the Antenna section.

Can't wait for the FYBO when I can get out to the back deck when we have a mere 70 degrees :-).

See you on the air again soon.

Gary, KJ5VW

Date: Sun, 21 Sep 1997 20:46:45
From: "Lorraine Y. Aubert" <AC6XK@ivic.net>
To: qrp-l@lehigh.edu
Subject: [27208] Re: Yaesu QRP
Message-ID: <3.0.1.16.19970921204645.2247307e@ivic.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I just wanted to say a big "Thanks" to all of you who gave me information on turning my Yaesu 301D into a QRP rig. I got so many replies that I thought a posting would be the best way to thank everyone. I'm going to give it a try and I'll let everyone know how it comes out. 72.....
Lorraine, AC6XK

Date: Sun, 21 Sep 1997 22:09:56 -0700
From: David Smith <qrp-dave@ocsnet.net>
To: QRP-L@Lehigh.EDU
Subject: [27209] Tube QRP rigs
Message-ID: <B00000013614@ntserv1.ocsnet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hey there fellas! (and gals). I am a real rookie and frankly, it was all I could do to assemble my NorCal 40A. But it worked first shot out of the bag! I am interested in a tube QRP rig. Do any of you folks have a good schematic with VERY complete directions for the rankest of beginners?
Thanks and 73, QRPDave

Date: Mon, 22 Sep 1997 04:41:03 +0000
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>

To: qrp-1@lehigh.edu
Subject: [27210] ATV/SSTV possibilities for special event
Message-ID: <19970922044059.AAB13364@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings Brian,
Great work on the anthology!... BUTTTttt...

Please excuse the short-cut here to get response a.s.a.p. to benefit a club project. We're planning a special event that, among others, will serve to revitalize our club and provide ideas for others. (SEE OUTLINE BELOW) The thought occurs that ATV could be a great way to help document the project in a unique and useful way.

While we are a relatively active and resourceful outfit, the Candlewood Amateur Radio Assoc. has no ATV currently operational. The thought strikes me that a collaborative effort with an ATV - active group could work to mutual benefit. Please scan the project outline below and let me know what you (and possibly others) think re possibilities. Many thanks for your time and consideration.

73, =s=

.....
160M EVENT

Among several suggestions for hi-vis projects is a weekend QRP/lo-power "SPECIAL EVENT STATION", perhaps on an IOTA island off the CT coast. Consider a 160m full-size Half-Square, hanging from 2-3 sets of balloons. (Kites are out as wind usually dies after sundown and you can't see them to "steer".) Initial thoughts are:

- * Six (3 + 2 + 1) He balloons, approx. \$10./ea. for 1 lb. lift ea.
- * Half-Square made of parallel Litz wire, #36, for strength and efficiency. ("Fat wire" simulation) Approx. 1200'/lb.
- * Tether the balloons at about 300' high; dangle the verts. from the balloons rather than using the tether as ant. Ballast w/2 oz sinker.
- * 580' phasing line between balloons may need balloon or two for support.
- * Open feeder connects at matching impedance point on the close vert., over to the close tether and down to rig. (three balloons this end)
- * Far end can be walked around to "ROTATE" (!!) beam for propagat.& wind comp.

I believe this would far exceed 99% of operational 160m antennae and provide an unique, hi-visibility operation to the benefit of all involved.

.....
Thanks for any comment/help you care to provide. 73 =s=

"Seab" Lyon -- AA1MY
Bethel, CT; USA FN-31-HJ
ARCI #9253; QRP-L # 574
NEQRP# 511; ARRL; QCWA;
C.A.R.A.

Date: Mon, 22 Sep 1997 00:35:25 -0500
From: charles crouchet <crc@io.com>
To: qrp-l@Lehigh.EDU
Subject: [27211] tubes
Message-ID: <34260350.5892@io.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wow !mention tubes and we all seem to light up(pun intended)
I am glad to hear I am not the only one intelligent ????? enough to
run my 6l6 upside down in a glass of water.My mother always thought I
was very thirsty out in the garage.But thanks for the info...I got
probably 25 replies to one e-mail about tube rigs,now I will have to
find the old books and keep building.
tnx....
--

charlie crouchet WA5KRF	La vie est chere
crc@io.com	La vie est dure
QRP-L #1207	Les femmes ne sont que
A QRP #7	Contre les mures

Date: Sun, 21 Sep 1997 23:33:19 -0700 (PDT)
From: Monte Stark <ku7y@sage.dri.edu>
To: JFKluender@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [27212] Re: memorizing questions
Message-ID: <Pine.SUN.3.90.970921232915.27772A-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 21 Sep 1997 JFKluender@aol.com wrote:

> I'll venture a guess that many people who stumbled into this hobby the way I

> did have been enriched by it just as I have.

Hi Joel,

About the same story here! Didn't go on to school but still owe my job to Amateur Radio! Also owe my comerial license to ham radio.

After high school I went into the Army. Wound up in Germany and got the call of DL4RF. I only had to take the rules part of the test. But let me tell you this....I looked at the tech part and I could not have answered one of those questions!!

> Does that make our licenses inferior?

I hope not. After all, this is AMATEUR radio!

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 22 Sep 1997 03:28:33 -0400 (EDT)
From: Bob Patten <n4bp@shadow.net>
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Cc: Mike Kloc <w4mk@mindspring.com>, Kevin Bunin <p014455b@pb.seflin.org>
Subject: [27213] N4BP QRP Afield
Message-ID: <Pine.SOL.3.96.970922030122.18610A-1000000@goliath>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Friday morning, Mike - W4MK and I planned on driving our bikes in the "25th Anniversary Poker Run" from Miami to Key West. Knowing that I would likely be tired when I got home Friday night, I put up my Field Day vertical in the back yard on Thursday afternoon. Mike and I did the run as far as Marathon - about 50 miles short of Key West - and nobody complained about my Yamaha Verago in a Harley run. When we turned around for the second leg, we biked through about 100 miles of rain!

The QRP Afield was to be the test run for my new IC-706 MKII. The original plan was to run 1W to the FD vertical. But the 706 low limit turned out to be about 2.5W - too much for even my 3db attenuator to make that class. Then, after the first (slow) half hour, I wimped out and brought the rig inside to use on the TH7-DXX. Although it killed my score, I enjoyed the contest much more and did get to give the lil 706 a

good test - still on battery power. All but four QSOs were on 20M. Of those, 3 were on 15M and 1 on 40M. I'm sure 15M was open for a good part of the contest, but there was just no activity there. The contest ended too early for 40M to be useful, it was still full daylight here. The only problem encountered with the new 706, the noise blanker chopped things up when a strong signal was nearby.

Bottom line, 150 Q's, 36 SPC. I think my ears are improving as I easily logged several stations running at around 900mw. One I did struggle with was KI7MN. Each time I tried to work him, he faded into the noise when he gave his exchange. But we finally made it, thanks for your patience! Jim, AL7FS was an easy catch from KL7Y's QTH. Band condx seemed fair, but power line noise was again a problem.

Kevin, WV5Z and I will be taking the IC-706 to C6A for the ARRL DX CW contest next February. We will run at 100W to yet-to-be-determined antennas. I think the 706 will handle our mini-DXpedition nicely. Kevin will need to spend some time with the rig though, as so many of the controls perform multiple functions.

73,

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@shadow.net

Web Page: <http://www.shadow.net/~n4bp/n4bp.htm>

Brass Pounder BBS: (954) 472-7715

Date: Mon, 22 Sep 1997 10:08:54
From: Wayne Dillon <w.dillon@ic.ac.uk>
To: k8dd@contesting.com
Cc: qrp-l@Lehigh.EDU
Subject: [27214] Re: "Bad News for Hams, SWLS and Scanner Buffs"
Message-ID: <3.0.1.16.19970922100854.09d7507a@mism.ad.ic.ac.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Hank and the gang,

>>SNIP<<

>There is a bill in the House of Representatives, H.R. 2369, called the
>"Wireless Privacy Enhancement Act of 1997. This bill would make it
>against the law to use a scanner to receive transmissions in the
>frequencies allocated to any commercial mobile service.

We in the UK have had similar legislation since 1945 (The wireless telegraphy act) and various "enhancements" to this act in the years that followed. In the UK you used to have to get caught listening to "public service" bands or acting on/passing on information gleaned in this way. Since the 80's (I think) however, if you are caught operating a "scanner" (on any frequency) with the prohibited bands even programmed into the memories (remember you don't actually have to be listening to them) your equipment may be subject to forfeiture and you liable to criminal prosecution.

Although I understand the need for covert communications in special circumstances, modern technology and digital communication techniques make "evsdropping" much more difficult. Surely it must be the responsibility of the user to keep his/her communication private rather than to force government to pass unenforceable laws (wasting tax payers money in the process).

Good luck with your fight, I hope you can keep this useless piece of legislation where it belongs - in the bin! Just my \$0.02 worth from across the pond. (Flame suite is now on!!!)

73! de Wayne - G0JJQ
Wayne S. Dillon
Maintenance Co-Ordinator
Room 129 Huxley building
Imperial College of Science, Technology and Medicine.
Exhibition Road
London
SW7 2AZ

Tel: 0171 594 9030
Fax: 0171 594 8930
E-Mail w.dillon@ic.ac.uk

Date: Mon, 22 Sep 1997 06:35:26 -0400
From: Bill Meara <wmeara@erols.com>
To: gqrp-l@blacksheep.org
Cc: qrp-l@lehigh.edu
Subject: [27215] Beefing up the Sudden RX
Message-ID: <199709221038.GAA01512@smtp3.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm in the process of putting my "Sudden" Direct Conversion receiver together with a 30 meter QRP transmitter to create a transceiver. Energy

from the tx oscillator will go to pin 6 of the '602 chip. I'll put a little diode-switched capacitor in the oscillator circuit to add some frequency shift on transmit.

I want to bolster the Sudden RX a bit. Does anyone have experience in adding an addition stage of AF amplification after the LM386? How about just throwing in another LM386? Perhaps with some audio filtering?

I was also thinking about putting a few db of RF amplification ahead of the '602. Any thoughts on this?

73 de N2CQR
Bill Meara, Falls Church, Virginia
wmeara@erols.com
<http://www.mindspring.com/~johnmb/billm.htm>

Date: Mon, 22 Sep 1997 07:07:13 -0400
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: "qrp-1@lehigh" <qrp-1@Lehigh.EDU>
Subject: [27216] Valve wireless --aka tube rigs
Message-ID: <199709220707_MC2-215F-A7DF@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi gang (in the colonies!)

Been watching the thread re valve wirelasses. Ideal for warming the shack=
=2E

Main rx here is a Racal 17 circa 50 years old, as used by the BBC world service for monitoring all you foreign chappies. Has a temperature controlled sealed master oscillator and continuous stepless of course coverage up to 30 Mcs. Note, NOT Mhz. This rig has an independent sideband

d section, you can listen to one or both or none as you wish, it has variable

IF and AF gain, it's got seven separate switched filters, different widths,

you tune the rig in two stages, first to each one megacycle band, eg for =
20

metres you first tune the main tune knob to 14 Mcs, then you have a continuous film scale about 1 metre long which tunes the decimal point onwards as it were. Hard to describe if you've never seen one. There's a

built in xtal calibrator for setting up on each band, and the audio quality
using a good external; speaker is very excellent medium to hi-fi.

The rig is switched off once a year for maintenance checks and re-started
from cold. It needs about three hours from scratch to settle, then the
drift is virtually un-measurable on my \$5000 Racal pro frequency meter.

I once investigated the possibility of taking out a new for old insurance
on it, and asked Racal for a quote for the nearest current model. The
replacement cost was that high, the insurance company refused to quote.

The unit takes up a full depth 19 ins rack cabinet, not the puny ones at
half depth you see nowadays, half of this would be stuck out back on one
of those. I have mine on the bench with two extra 2 x 2 in timber struts under
it for safety sake.

Current going price for one of these here in the UK is still up to \$650 for
a good one! There's also a matching (47 in high!) rack mounted tx unit,
about 1500w out, but whilst I've seen one, I've never had the opportunity
to buy or operate one. The tx does all the rx does in modes, and there's
a link unit goes between, (another 12 in rack mount) for the changeover
switching!. Not qrp, but by jimineee, a jolly good shack warmer, chaps!

"Each unit sold with money back guarantee, and voucher for two tons of
floor strengthening concrete!" Not for use in loft space shacks, these
real wirelessnesses!

I've had mine for over twenty years, got a spare set of valves for it,
check 'em once a year, replaced two in that time, sigh, they don't build
'em like they used to - - - - -

72 and 73 de Mel
GM6JAG
Edinburgh, Scotland UK
Home of the last HW9,
and a great big RACAL 17!

Date: Mon, 22 Sep 1997 07:37:49 -0400
From: Paul Cereste <cereste@myapc.com>
To: qrp-l@lehigh.edu, rerobins@unccvm.uncc.edu
Subject: [27217] Heath Sixer 6 meter QRP -Reply
Message-ID: <s4262074.033@myapc.com>

I too had a Sixer back in the sixties. I also had a similar rig that was made by Lafayette only it had a superhet receive section. Eventually I homebrewed a QRO xmtr for 6 AM. I used a receive converter in front of a BC-348 to listen with.

The October 97 QST has a letter in it from someone trying to stir up interest in 6 AM. Sixers still show up at hamfests around here. Usually they are very inexpensive.

I still have a Twoer, but I doubt that 2 mtr AM will make a comeback.

6 meters is an interesting band. I'm glad to see increased activity there.

73, Paul K1CGZ

Date: Mon, 22 Sep 1997 07:00:31 -0500 (GMT-0500)
From: Jim Osburn <wd9eyb@indiana.net>
To: qrp-l@lehigh.edu (QRP List)
Subject: [27218] Peoria Superfest
Message-ID: <199709221200.HAA08395@butler.qrp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

I had an enjoyable time at the Peoria Superfest on Saturday. We left a 5 AM Saturday morning, stopped in Champaign, IL, for breakfast, and arrived at Expo Gardens, the hamfest site, at about 9 AM. The flea market seemed a little down from 2 years ago, but there was still plenty of it. I would prefer less computer stuff and less junk and more ham stuff. I didn't find any QRP stuff, but Far Circuits was in the Opera building selling circuit boards. I bought some prototyping boards there. I bought some books and found some hook up

wire in a trash barrel. The most enjoyable part was riding over with my buddies and running into more at the hamfest. I'm now looking forward to the Hoosier Hills (Bedford, IN) Hamfest in 2 weeks.

73,

Jim, WD9EYB
wd9eyb@indiana.net

Date: Mon, 22 Sep 1997 08:42:30 -0400 (EDT)
From: Bigbob97@aol.com
To: QRP-L@Lehigh.EDU
Subject: [27219] Tubes?
Message-ID: <970922084228_2053246715@emout11.mail.aol.com>

Hi All!

During this hiatus from QRP construction talk I thought that I might add my thoughts about code/no code, tube rigs, government restrictions. Sorry for those who are waiting for this to go away and for the return to regular QRP construction notes. I will try not to do this too often.

I was thinking that the nervous security conscious types who sit in offices of power, governmental and private, might eventually find electronic experimenters to be a real threat. Look at us, stealing conversations, jamming stereos, and the lunatic fringe actually grabbing cell phone codes. Too much of a risk. Therefore, I expect the next wave of legislation to make small electronic parts illegal except by prescription. No more ICs or transistors for us to play around with and possibly cause mayhem.

Hasn't a similar thing already happened with gun control - at least here in the East? Well, the response was a lot of black powder freaks. So you can see where I am headed - warm up those 60 watt soldering irons folks - I feel the tube freak revival around the corner!

(my own personal paranoia is showing - isn't it?)

73,
and tnx fer QSL
Bob WB2DHK in Jersey City, NJ

Date: Mon, 22 Sep 1997 18:40:14 -0600

From: Steve Galchutt <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"> <qrp-1@lehigh.edu>
Subject: [27220] Tube/Hartley info???
Message-ID: <34270FE9.143C@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey gang,

While we're on the subject of tubes anyone have info on building a
'Hartley' CW tube tx?? I've heard a few of these on 80m and they sure
have a distinctive tone. Thanks.

.....Steve > n0tu . .
email:N0TU@webaccess.net
homepage <<http://www.webaccess.net/~S&P>>

Date: Mon, 22 Sep 97 09:12:03 -0400
From: cjl@mail09.mitre.org (Charles J. Ludinsky)
To: qrp-1@lehigh.edu (qrp-1@Lehigh.EDU)
Cc: malman@bbn.com (malman@bbn.com)
Subject: [27221] Subject: [27051] Re: SST/40 question
Message-ID: <970922091202.28172@mail09.mitre.org.0>

Frank, G3YCC, writes:

> In message <199709172335.TAA47088@nss2.CC.Lehigh.EDU>, Joel Malman
> <malman@BBN.COM> writes
>
>> 2. The SST seems to drift a bit more than I expected. Did anyone else
>> notice this?
>>
> I am surprised at that. Unless you have extended the tuning range
> greatly, there should be no problem.
> Have fun!

If the power supply is not quite "solid", some frequency drift will occur. For
example, alkaline batteries (e.g., AAs) will drop sufficiently in voltage
during use to cause the output from the internal voltage regulator to change by
some 10s, or even 100s, of millivolts. This is more than enough to cause
annoying drift and chirps.

72 de Chuck, K1CL

Date: Mon, 22 Sep 97 07:43:27 MDT
From: af852@rgfn.epcc.Edu (William R Colbert)
To: qrp-1@lehigh.edu
Subject: [27222] [v31xe@dzn.com: re:qf1a voltages]
Message-ID: <9709221343.AA09488@rgfn.epcc.Edu>

===== Begin forwarded message =====

From: v31xe@dzn.com ("William R. Colbert")
To: ka8okh@som-uky.campus.mci.net, qrp-1@lehigh.edu
Subject: re:qf1a voltages
Date: Mon, 22 Sep

The output of the builtin power supply shows 15v no load (according to the schematic) so 12-13v should be fine.

--

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"

Ray Colbert, W5XE,
00TC 3618, SOWP 1064M
(also af852@rgfn.epcc.edu)
El Paso, Texas

--

Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)
(also: v31xe@dzn.com)

Date: Mon, 22 Sep 1997 08:46:30 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)

To: qrp-1@lehigh.edu
Subject: [27223] keep the qrp rolling
Message-ID: <199709221346.IAA01069@m20.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi there

You guys/gals will have to do without me for a few days. (a real shocker)

I need to go back into the hospital and get an artery to my heart ballooned up again :-). Right now it's kinda making life or living any length of time a dubious situation!

Expect to go in this wednesday and get out this friday. I will try and get on 40 meters 7.040 + - a bit on saturday. Maybe I could make a "qrp up ur artery" certificate as a qsl card! :-). After all they do use a qrp baloon and stint to open things up :-).

I could use that artery for a vhf antenna if the doc will insert some leads coming out my chest... :-). Hope the doc is not a "no code ham" :-). :-). and I would really be concerned if he got his md certificate by memorizing the questions and answers!!!! :-).

At least he is a qrp doc (small baloon) and not a qro sucker with that big knife that just opens everything up for viewing... :-).

Qrp can be just a perspective maybe? maybe not?

I suspect some of you may be praying for me, for other reasons :-). however a kind word to the almighty on my behalf would be greatly appreciated.

Good dx and qrp to all

god bless
joel wa5cvm

God Bless
Joel

WA5CVM

Joel Denison
start)

81 High street
Farmington, Maine 04938
jdenison@morelr.com

Gentle Lady (RC Sail Plane)(049 engine - high

40 mtr dipole up 40ft
QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
AK/QRP 109

Date: Mon, 22 Sep 1997 08:49:16 -0500
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-1@lehigh.edu
Subject: [27224] Attn: WQ0RP & QTTF
Message-ID: <00018A28.4159@ccgate.dl.nec.com>

Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Had lots 'o' fun in the field contest. Condx were marginal here in TX. Lots of QRN on all bands.

Question for WQ0RP: I need MN for 20m WAS. To whom can I send a SASE for your QSL? Please help! Only need 3 states now.
Thanks.

Score: 50 Q's x 24 S/P/C = 1200

BTW - Allthe milliwatt stations I worked (5) were very loud!
Nice going, guys.

73 de Dave NR3E/5
nr Dallas, TX
qrp-l #25, Winner:1997 Texas QSO Party, QRP
WIMPS: Qs=061 30m=044 17m=12 12m=05 States=027/06/04
DX=03/03/01

Date: Mon, 22 Sep 1997 10:40:16 -0400 (EDT)
From: NilsBull@aol.com
To: QRP-L@Lehigh.EDU
Subject: [27225] Russian homebrew page a "must see"!
Message-ID: <970922103656_-1364602356@emout19.mail.aol.com>

Gang,

I just got an email from Valentin Gvozdev that youze might appreciate.
Valentine said
"You may see the first final version of my transceiver description right now."

Valentin (RU3AEP).

His URL is
<http://ufn.ioc.ac.ru/~gvozdev/tranc.html>

There's a link to Valentin's page from my page, so you can get into twice as much trouble as you might wanna get.

I'm gonna check it out right now.

73

Nils

WB8IJN &c

Date: Mon, 22 Sep 1997 08:51:49 -0600
From: AE0Q V31RY <v31ry@ix.netcom.com>
To: qrp-l@lehigh.edu
Subject: [27226] Re: Tuners and swr
Message-ID: <2.2.16.19970922145149.1e8fbbcc@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 22:35 21-09-97 -0400, KA1EZE wrote:

>

>It's not really a qrp question, but then again, would I look for a tuner
>that did better with low power?

Hello Rick. Here's an article about losses in your tuner and feedline
and QRP operating. It was written a while ago, but good advice today.

HUNTING FOR LOSSES

By Bob Schoening, W0BE, April 1970 issue of The Milliwatt

It is obvious that if a 100 watt rig is 30 dB over S9 on a reasonably
calibrated meter, a 100 milliwatt signal will read S9. So often we
find that the low power station is weaker than he should be in regard
to this ratio, and we wonder whether the S meters are wrong, or
whether some magic threshold exists in the ionosphere. Actually,
neither is the case.

We are conditioned to the thoughtless use of "low power" coaxial
lines, "low power" antenna tuners, small wire which would burn up at
KW levels, and other lossy components, with low power rig. The QRPP
station won't arc across bad insulators, nor burn up bad connections,
but the losses in the coax, the antenna tuner, the wiring, and the
bad insulators or connections subtract just as many dB from a one
watt signal as they would from the kilowatt signal (provided the
kilowatt rig would tolerate them). For good signals with low power,
use the largest coax that you can afford, use the KW-size tuner, and
observe the same precautions in wiring and insulating as if you were

going to run several KW.

If you don't own a high-power rig, borrow one sometime, or take your tuner over to a friends QRO station to test it out. If anything overheats, arcs across insulation, or otherwise misbehaves at high power levels, correct it before you try serious QRPp operation. Stay away from "ten watt" antenna tuners, wind your coils with #14 or larger wire, make good connections with a lot of solder--remember that power losses cannot occur in pure inductors or capacitors, only in their resistances. If all the avoidable losses are eliminated--naturally some are unavoidable--the dB scale will work in your favor and the extra efficiency which is available from transistor finals can be realized.

A good many 100 watt rigs on the air are considerably less than 20 dB over a good 1 watt transistor rig, and watching the S meter for a while convinces us that when conditions are good, 20 dB is not too important. When conditions are bad, however, a few dB might make a big difference, but these are the nights when the QRPp operator can read good books, build new equipment, or engage in philately, clock collecting, or girl chasing; an amateur is balanced!

--Bob Schoening W0BE

>From The Milliwatt (National Journal of QRPp), April 1970.

73 -- Glenn

"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com --SOWP 5558-M, ARRL LM, QCWA LM, NCVA--
<http://www.qsl.net/ae0q>

Date: Mon, 22 Sep 1997 10:40:36 -0400 (EDT)
From: NilsBull@aol.com
To: QRP-L@Lehigh.EDU
Subject: [27227] Tube receiver schemos, plans, planes, save the bales &c
Message-ID: <970922103656_1930357703@emout17.mail.aol.com>

Gang,

Tube receivers, eh? Well, well. . . We could start with the Modern Radio Labs "MRL 1-Tube D.C. All-Wave Reciever," circuit & notes found in the MRL Handbook by the same name, HB-4, available from Modern Radio Labs, P.O. Box 14902, Minneapolis, MN 55414-0902 for the grand sum of 1.00 plus postage. While you're at it, though, you might wanna just get the entire set of MRL literature, all written by Elmer Osterhoudt back many years ago. Or send for the recent catalog and be happier, knowing what you can get that'll answer the tube receiver/transmitter questions.

Or, we could use the circuit proposed by Floyd L. Vanderpoel, W1WR, in the June, 1935 edition of QST (pg 28, 29). It's a two-tuber, but still a regen set with audio amp.

Which is pretty much what you get out of the "receiving sets using direct-current tubes" drill that uses up pages 230 through 283 of "Understanding Radio: A guide to Practical Operation & Theory" by Herbert M. Watson, Herbert E. Welch, & George S. Eby, published by McGraw-Hill Books in 1951, back when I was 5 years old. The book, by the way, also deals with alternating current tubes, power supplies, regen and super regen sets, and -- wonder of molecules! -- super het design theory, including for your amazement information & schemos on making one step by step.

And then there's the 14th edition of "The Radio Handbook (published by E&E in 1956, when I was 10). In addition to lots of info on wire antennas and circuit theory that no one covers any more, there's a couple receiver designs that look interesting. If you can find the parts nowadays.

The "Super Gainer" receiver (pg 476 &c) uses a regenerative detector circuit to get selectivity into the final stages. Sweet stuff. . . 3 tubes and the HV power supply. Or you can go nuts and build "The CW Man's Superhet" (Don't you just love the nominally sexist language?) on page 494 &c. With a rehabilitated National HR series dial. Clean layout, but lots of switching and coiling.

And I won't even begin to mention the transmitter circuits.

Teach you a whole new meaning to resistor values, ne? Nothing under 1/2 watt in the entire set of stuff. And lots of extra smoke too.

Too bad I have a lot of that stuff bought surplus, like the GRC-109 transmitter & receiver set up that I got form Fair Radio Labs about a year and some ago. That one was 'cause of this group of lunatics. I can blame them. But not for the wasps and yeller jackets When it gets cold enough, I'm gonna go out into the shack/outhouse and see if I can warm it up by turning on every tube radio I got out there. . . . Hmm

WB8IJN &c

. . . the books? check yer library . . . bet they have an on-line catalog, eh?

Date: Mon, 22 Sep 1997 11:25:37 -0400
From: "David Maliniak" <dmaliniak@penton.com>
To: qrp-1@Lehigh.EDU
Cc: njqrp@njqrp.org
Subject: [27228] QRP Afield
Message-ID: <8525651A.00537A31.00@mail.penton.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

In summing up Saturday's event, my experience was "quality, not quantity."

I operated from my in-laws' QTH near the top of a pretty big hill in Hunterdon County, NJ. They've got enough space to enable me to get a 100-foot-flattop doublet (fed with 300-ohm window line) up about 30 to 35 feet. I used my Sierra/KC-1 combination with a couple of 7-Ah gel cells, my newly built W6JJZ Z-match tuner, and Whiterook paddles.

The end result was about 15 QSOs in about 4 hours of air time, all on 20 meters. But those 15 QSOs were all over the country. States worked included CA, AK, WA, TX, OK, MN, FL, LA, NM, and others. I was driven inside (and off the air) at about 4 pm local time by showers.

Highlight of the day for me, as for many others, had to be snagging Jim, AL7FS in Alaska. That was a thrill. Had to dig him out from under stronger stations, too. Toughest QSO was WA6NAE. He was harder to copy than AL7FS was. I'm *still* hearing N4BP, K10J and K0FRP two days later. Geez, you guys are loud. I must have called a Utah station (WA7NLW, I think it was) about 20 times. No luck. I *need* Utah, too. Early in the day, I heard K5FO a few times but couldn't get his attention. Of the New Jersey crew, I heard some stations coming back to both N2CQ and N2CX but didn't hear either of them. Ken, I think you worked WA5WHN just before I did.

Anybody else hear the 9A in the middle of the fracas calling CQ over and over? I tried him a few times as well but no luck there either.

Great contest...thanks much to the New England club for getting it together. Looking forward to the next one.

72 David N2SMH

Glen Rock, NJ

Date: Mon, 22 Sep 1997 08:41:42 -0700
From: Ken Lopez <kjlopez@earthlink.net>
To: NilsBull@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27229] Re: Russian homebrew page a "must see"!
Message-ID: <342691C6.1B0B@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

NilsBull@aol.com wrote:

>
> Gang,
>
> I just got an email from Valentin Gvozdev that youze might appreciate.
> Valentine said
> "You may see the first final version of my transceiver description right
> now."
>
> Valentin (RU3AEP).
>
> His URL is
> <http://ufn.ioc.ac.ru/~gvozdev/tranc.html>

Nils, I have been exchanging email with Valentin since your first post. He sent me a note as well and the information is very much worth a look by everyone on the list. Also, send him a note about his work. He will reply and seems to be a very amiable fellow with lots of ideas.

Cheers,
Ken, N6TZV

Date: Mon, 22 Sep 97 09:04:00 PDT
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
To: qrp-1@lehigh.edu
Subject: [27230] Re: The demise of CW

Date: Sun, 21 Sep 1997 12:07:14 -0400 (EDT)

>From: Robert Parks <rob3ert@vegas.infi.net>
>There's a sad commentary at the top of page 93 of the October, 1997
>issue of QST, by David Fordham KD9LA, about the slow death of CW.

Hi Bob, CW/Morse Code/00K is to ham radio what horses are to transportation. Where I live in Queen Creek, AZ, there are more horses than cars (not counting pickups :-). Are horses obsolete? For some applications, they are, but they are certainly not about to die a "slow death". As long as there are people who like horses, there will be horses. If there ever comes a time when no one likes horses anymore, they will probably disappear except maybe for zoos.

Exactly the same thing can be said for CW/Morse. People like us don't need a threat of force from the feds to keep CW/Morse alive. I didn't like corn when I was young because my Mother made me eat it. Corn is one of my favorite foods now. CW/Morse just might be more popular after the testing requirement is removed as it will give new hams the freedom of choice. If CW/Morse dies, it will be because it doesn't have much to offer. We all know better - so it will probably never die. If it is a useful mode, it doesn't need a welfare-state subsidy. If it is not a useful mode, it doesn't deserve a welfare-state subsidy.

73, Cecil, W6RCA

Date: Mon, 22 Sep 1997 10:32:21 -0600 (MDT)
From: "Thomas J. Whalen" <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27231] Info
Message-ID: <Pine.SUN.3.91.970922103005.1152A-1000000@kitsune.swcp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I heard a new call the other day and cant find out where it is. The call is P43HK/qrp and the guy was on 21.060. I tried to answer his cq to no avail.
Both 12 and 10 meters were open yesterday. Great fun ahead!!! Thanks, Tom
WB5QYT

Date: Mon, 22 Sep 1997 09:48:20 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27232] Re: The demise of CW
Message-ID: <3426A154.5BE42002@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Cecil A Moore wrote:

> Are horses
> obsolete? For some applications, they are, but they are
> certainly not about to die a "slow death". As long as there
> are people who like horses, there will be horses...
> Exactly the same thing can be said for CW/Morse.

Let's take this analogy a step further. To ride a horse, you need a reasonable amount of open space, like you apparently have in Queen Creek. But suppose that that open space was in demand by, say, dirt bike riders. Then maybe the bikers could say "Hey, so few people ride horses that we should be allowed to ride our bikes there too! Horses are obsolete anyway." If the bikers were allowed to share the space, it wouldn't be long before you wouldn't be able to ride a horse at all.

Now I realize that taking away the requirement for CW is not the same as taking away the exclusive bands. But what do you think is the next step?

> a welfare-state subsidy

Please don't muddy the waters with liberal/conservative pro/anti government rhetoric. The use of the RF spectrum is regulated by government because it is a limited resource and what one individual does there affects all of us.

Vic K2VC0

Date: Mon, 22 Sep 1997 11:53:07 -0500
From: ed crowell <w5twr@rconnect.com>
To: wmeara@erols.com
Cc: qrp-1@lehigh.edu
Subject: [27233] Re: Beefing up the Sudden RX
Message-ID: <3.0.16.19970922115041.441fc066@rconnect.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 06:35 AM 9/22/97 -0400, you wrote:

>I'm in the process of putting my "Sudden" Direct Conversion receiver
>together with a 30 meter QRP transmitter to create a transceiver.

Does anyone have experience in
>adding an addition stage of AF amplification after the LM386? How about
>just throwing in another LM386? Perhaps with some audio filtering?

>

>Bill Meara, Falls Church, Virginia

>wmeara@erols.com

><http://www.mindspring.com/~johnmb/billm.htm>

>

hi bill, yes i do. i had the same problem with the 49'er. i played with
tandem LM-386's and LM-380's and they worked just finebut were a bit of an
over-kill. I found putting a simple bipolar pre-amp in front of the LM-386
with a pot between for volume control worked just great! I'm sure almost
any transistor can be used for this. I got so much volume that i could
easily drove a speaker. For this idea i credit Bill Hickox, K5BDZ. He
says on page 4 of the March 96 QRPp, "Remember, however, that weak audio
output may mean a very weak audio signal at the input. If you jumper J1
terminals and still have a weak output, you might need to include a small
2N3904 preamp circuit at the input." I recommend reading his article.

If you get too much gain and the amp starts oscillating, don't
forget pin seven (called Bypass). Hang a 1 uf tantalum off it to
ground--your problems will go away! Hope this helps.

72, ED, W5TWR

Date: Mon, 22 Sep 1997 11:43:21

From: Steven Weber <kd1jv@moose.ncia.net>

To: qrp-l@Lehigh.EDU

Subject: [27234] tube rigs

Message-ID: <3.0.1.16.19970922114321.2f271434@mailhost.ncia.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hey! All this talk of tube rigs is exciting! I might have to see if the
6AU6 - 2E26 rig I built from DX40 parts still works. That would be
something, DDS VFO and 2E26 final, best of the old and new.

Anyway, personally, I don't like to run a rig "hot" direct from the AC
mains. If you can't find a proper high voltage transformer, a couple of low
voltage guys connected "back to back" will give you what you need for a QRP
Tx.

Now if your into QRO, the power transformer in a microwave oven runs about 1200 volts or so. Good for a 500 watt 811 linear.

For High voltage filter caps, you can find them in an old TV set. The main filter cap is generally about 470ufd at 200 or so volts. You local TV shop may have some smaller values at higher voltages. 10 ufd at 300 volts are pretty common. For small coupling caps, you can still get 200-400 volt mylar film caps from the major parts places like Mouser and Digi-Key. And of course ceramic disks.

Finding tubes is actually pretty easy. The only real problem part is the tube socket. Anyone know of a source for 7 and 9 pin ceramic sockets?

It's a LOT easier to build a tube Tx than a tube Rx. So, unless your really want to do some work, I'd stick to transmitters. Well, okay, a super regen is pertty easy and I sure built a lot of those as a kid, but it would be a real challenge to actually make QSO's with it.

If you've only worked with solid state stuff, building a tube Tx will be a great experiance. Just be carefull, it could be a real shocker too.

73,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 22 Sep 1997 12:04:29 -0500
From: "Moore, Randy (William R)" <WRMoore@ingr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27235] RE: The demise of CW
Message-ID: <61B767352B3ECF11B0A50207010FCC9C0231E89A@HQ3>

Cecil said:

CW/Morse just might be more popular after the testing requirement is removed as it will give new hams the freedom of choice. If CW/Morse dies, it will be because it doesn't have much to offer. We all know better - so it will probably never die. If it is a useful mode, it doesn't need a welfare-state subsidy. If it is not a useful mode, it doesn't deserve a welfare-state subsidy.

Amen to that! Long live CW!!

Randy, KS4L

Date: Mon, 22 Sep 1997 09:52:20 -0700 (PDT)
From: Monte Stark <ku7y@sage.dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27236] Re: The demise of CW
Message-ID: <Pine.SUN.3.90.970922094615.28329A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I think most have failed to see the original piece by KD9LA. It was nothing more than a statement about the usfullness of CW during emergency communications.

It wasn't about CW in general, Code, No-Code, fun or etc!

While I am pro CW including for licensing, I have to agree that CW would be way down the list during an emergency. There are times when it would make sense to use it, but not very often.

To me the best thing would be to have good voice and digital systems all ready to go. QRP is fine, but again, power might also be needed and should be available.

OBQRP:

Teams still forming for the Feb NA Sprint.....

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 22 Sep 1997 11:27:43 -0500
From: "Jeff M. Gold" <jmg@tntech.edu>
To: QRP-L <qrp-l@Lehigh.EDU>

Subject: [27237] K1EL-low cost keyer
Message-ID: <34269C7F.B0ABA160@tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

All,

well ordered one of the low cost keyers (someone on the list emailed me about the keyer, and of course I had to buy one).
<http://members.aol.com/K1EL/index.html#Keyer>

I built it up on a radio shack all purpose plated board (just has all the plated holes and is about 2.5" square. It makes my "ugly" construction a little bit less ugly. this was about the easiest project I have built. I had the pushbutton, the 2N222 transistor and the 4.7K resistor in stock, only needed to get the piezo element and a (2) battery holder for AA batteries (to give the 3 volts). cost me an extra \$3.00 above the keyer. Haven't built anything from schematic in quite some time... so glad it was about as easy as can be. Had to figure out which pin on the IC was #1 and which way to hook up the 2N2222 (yes I have a brain that is like a sieve. If I don't use info.. it siphons out quickly and completely)

Think the thing I like best about the project is that from what I can see if you put the IC chip in backwards.. it doesn't blow up (I had everything.. or so I think hooked and wired.. then must have left my glasses off when I put the chip in its socket).

Haven't tested it out.. but when I apply power it sends to me and when I push the single pushbutton, it asks what in tarnation I want. Also hooked a continuity tester to the output and ground and when I ground either of the paddle wires, it grounds out the output wire.. this, I think is a good thing.

Only need to find a box.. the board I used is too big for my only remaining altoid, actually it fits fine, but wouldn't allow me to put the batteries internal..

72

Jeff, AC4HF

--

Jeff M. Gold, Manager
Academic Computing Support
Tennessee Technological University
(615)372-3979

Date: Mon, 22 Sep 1997 16:00:33 EDT
From: w4bws@juno.com (Donald E Sanders)
To: ku7y@sage.dri.edu
Cc: qrp-l@lehigh.edu
Subject: [27238] Re: Tube QRP Rigs
Message-ID: <19970922.161131.8135.5.W4BWS@juno.com>

Yes I remember it well, as the old song goes. We have a group herein Florida and neighboring states, called the Fla Amateur Radio Transmitting Society(160 meters 1845Khz @12 noon daily),all interested in old tube rigs- we affectionately refer to each other as the old FARTS. Some how I miss the glow of the old rectifiers and the flash of mercury vapor with keying.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd.
Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
My favorite QRP rig glows in the dark

On Sat, 20 Sep 1997 23:00:12 -0700 (PDT) Monte Stark <ku7y@sage.dri.edu> writes:

>
>Remember the old metal JAN 6L6's??
>
>Remember running a little to "hot"??
>
>Remember running them upside down sticking in a can of water for
>cooling??
>
>If you do, you'r an old coot!! :-)
>
>73, Ron, SOWP 5545M,
>
>.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
>....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....
>
>
>

Date: Mon, 22 Sep 1997 16:00:32 EDT
From: w4bws@juno.com (Donald E Sanders)
To: wd9eyb@indiana.net

Cc: qrp-1@Lehigh.EDU
Subject: [27239] Re: MFJ CWF-2
Message-ID: <19970922.161130.8135.0.W4BWS@juno.com>

Jim, I also bought 2 of these fine filters for \$5.00 at the Melbourne, FL hamfest, and I use them often, for portable when the Autec QF1 is too big and I don't have AC power. The amazing thing is that I asked the factory rep at Dayton this year if I could get schematics, He took my business card with the appropriate note on the back and two weeks later I received an envelope with the schematic of the CWF-2 and the SSB filter which I also picked up. THANKS MFJ, over the years they have always been a good company to work with, responsive to my requests, and I have used and still have many of their products. Of course, I have no connection with MFJ and the usual disclaimer applies.

DON W4BWS

On Fri, 19 Sep 1997 07:34:13 -0500 (GMT-0500) Jim Osburn
<wd9eyb@indiana.net> writes:

>
>The October QST has a good article about the history of MFJ.
>The article said that MFJ's first product was an active bandpass
>filter
>called a CWF-2. I have one of those! I thought it was just a useful
>QRP rig accessory, not a potential collector's item. I bought mine at
>the Lafayette, IN, hamfest a few years back for \$5.00. It's not for
>sale.
>
>73,
>
>Jim, WD9EYB
>wd9eyb@indiana.net
>
>
>

Date: Mon, 22 Sep 1997 18:56:59 +0000
From: Sandy W5TVW <ebjr@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [27240] RE: "Tube rigs"
Message-ID: <19970922185658.AAA27490@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I saw a note that talked about: "You solid-state types building your first tube transmitter..." and warning about the danger of shock etc. As someone

who was brought up on tube gear, I can understand how a "solid state type" might tend to get careless when sticking his hands into a piece of equipment, as there isn't anything (generally) at a higher potential than the supply voltage.

There has also been some discussion about "line voltage" operated gear with no power transformers, or "AC-DC" stuff, we used to call it! I have used the 115 VAC line for many years for a "supply" with no isolation transformers. You must use good sense, assume nothing, and be extremely careful when doing so, however. I have used regular half-wave rectifiers and also voltage doubling type supplies, mostly with silicon diodes (selenium rectifiers in the past...pre-silicon diodes days!) to build B+ supplies for QRP and low power transmitters. One chap here talked about using a pair of 35L6's and a 50L6 in a oscillator-parallel amplifier scheme, with line voltage doubled to supply the B+ and line voltage to the heaters in series. Good, cheap design! You also reduce the weight of the rig as well by elimination of the power transformer!

I have been thinking of doing something like this with a single 6T9 as well.

One design that was very successful, was an experimental one using a pair of 50JY6 horizontal output tubes in a push-pull crystal oscillator. With a "voltage-doubled line" power supply, it develops about 35-45 watts output depending on the activity of the crystal used. The power "input" to the pair of tubes B+ wise is close to 100 watts! Not very good efficiency, but when you try to get useful power directly from an oscillator, the efficiency WILL be on the poor side!

Don't be afraid to use the "line" direct, but use GREAT caution in connecting the equipment to the outlet so that the "neutral" side of the line goes to the chassis! DO NOT depend on the "hot" side of the line going to the narrow blade of the outlet!

DO NOT depend on the 3rd wire ground connection actually being grounded! Always assume NOTHING, even in you own house wiring until you have proved it beyond a doubt! Another "dodge" for safety is to isolate the chassis from the outer cabinet, including control shafts etc. at chassis potential, OR use an insulated cabinet with any hardware that can be touched insulated so it can't be! It's too easy to carry a small multimeter and test for the "hot chassis" if you are using such a piece of gear in a strange place. You MUST be aware of the hazard and act in a safe manner in handling the hazard. Gasoline can be extremely dangerous but if we handle and use it safely, there isn't much to worry about! The same logic applies to "line operated" power supplies. BE CAREFUL! Have fun!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive

Metairie, LA., 70001

Date: Mon, 22 Sep 1997 13:26:00 -0500

From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>

To: qrp-1@lehigh.edu (Receipt Notification Requested)

Subject: [27241] QRP AF WA6NAE (+N6WG)

Message-ID: <M2059091.002.xg101.1.970922203901Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Well, another QRP A-Field is history. As always, we had a really fine time.

We set up in Chabot Park on a hill overlooking San Francisco Bay. Glorious clear day, nice breeze, good shade, at least for part of the day. At one point a bright yellow biplane came buzzing over us on his way somewhere.

We dragged our handcart up the hill with all the gear on it. It's a two man operation, one to move the cart and one to keep stuff on it (and pick up what falls off). The road was paved once upon a time, but now the dirt is smoother than the road surface.

Our site used to be a eucalyptus forest, but has been logged off. We now have four live trees and one dead snag left to hang wire from. Now known as Mt. Baldy.

A couple of ranging shots (that's what we call the ones that miss) with Dwight's sling shot, and we finally got our lines up to hold up his 20 meter half-square beam. Gee, the secret new NorCal kit might have come in handy here. Boy, two spreaders of ancient cracked and weathered bamboo, a couple of wires for DE and reflector, and a feedline. Never saw an antenna that kicks like it does.

Got the antenna up, and after discussing the propagation probabilities, decided to go with just 20m. Didn't seem like it would be worthwhile hanging the 40m wires as well.

After we set up Dwight's Sierra, he wanted to show me his new MFJ antenna analyzer. He hooked it up and got a real worried look suddenly. He couldn't find 20m resonance anywhere. After some serious knobtwisting, we decided to try my Autek RF-1 for confirmation. Going to connect it, I found Dwight had connected the end of a jumper cable instead of the feedline to his new MFJ. Well, at least now we know that the jumper cable is around a quarter wave at 18

Mhz. We put the (real) antenna on the tester, and found a 1.25:1 match. Now we were in business.

I connected my cw cannon acoustic speaker to the Sierra, and it certainly worked. You could hear it up to 50 ft away outdoors.

We set the power on the Sierra and my QRP Plus down to 900mw by Dwight's OHR wattmeter, waited for 10AM local time, and then got going.

Our biggest impression was the difference between the hardcore contesters and the more regular QRPers. The contesters would try maybe two exchanges to get the info, and if they didn't, would 73 and move on. The QRPers would dig through a dozen repeats to complete the exchange.

It was fun watching stations say, "Hi, Dwight". With all the vanity call changes, he kept saying, Who the *(↑ was that?? Someday we will get caught up.

Conditions were less than we had expected, after watching the various propagation reports. We heard very little from the east coast. Our busiest states were CO (8), TX (7), AZ (5) and NM (5).

We did work four other stations under 1 watt--K0FRP, N7CEE, AB5UA and AA5TB. I'd sure like to see the antenna system at K0FRP. Boy, was he ever boiling in out here.

Also had good contact with Jim, AL7FS. Never heard Hawaii, though.

Rather than list all our contacts, I'll just summarize.

WA6NAE (+N6WG) Operated 1700-2300UTC
20 meters only, 900 mw
45 contacts x 8 pts per x 18 states = 6,480 points.

Funny, when we were done, it didn't take any time at all to put everything away and go home.

72, Bob N6WG and Dwight WA6NAE

Date: Mon, 22 Sep 1997 13:21:13 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-1@Lehigh.EDU, azqrp@dancris.com, triarc@listserv.tempe.gov
Subject: [27242] K1EL-low cost keyer
Message-ID: <199709222021.NAA20475@dancris.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>Return-Path: <owner-qrp-1@lehigh.edu>
>Date: Mon, 22 Sep 1997 11:27:43 -0500
>Reply-To: jmg@tntech.edu
>Sender: owner-qrp-1@Lehigh.EDU
>From: "Jeff M. Gold" <jmg@tntech.edu>
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: K1EL-low cost keyer
>X-To: QRP-L <qrp-1@Lehigh.EDU>
>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
>

>All,

>

>well ordered one of the low cost keyers (someone on the list emailed me
>about the keyer, and of course I had to buy one).

><http://members.aol.com/K1EL/index.html#Keyer>

>

Neat little keyer setup. On that page as well is a program called M2M, which
'reads' characters on the monitor screen as the mouse cursor is run across
them, and outputs CW into the PC speakers!

This is really neat for setting up random messages as an adjunct to whatever
code learning software you are using. With this one, you can develop your
own morse training messages and be really flexible.

Might check it out. The speeds are somewhat limited (either 9 or 18 wpm),
but it would be good to get someone up through the 13wpm level, at least.

73,

Bob KI7MN (ki7mn@dancris.com) Chandler, AZ

Grid DM43bi Lat 33.334500 Long -111.87260

NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL

<http://www.dancris.com/~ki7mn>

WIMPS: QS0's=19 30=19 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=6

Date: Mon, 22 Sep 1997 16:47:03 -0400

From: "Mark S. Adams" <msadams@acsu.buffalo.edu>

To: qrp-1@Lehigh.EDU

Subject: [27243] /P Gusher Vertical Matching

Message-ID: <3426D947.6B1D@acsu.buffalo.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Gang,

Isn't that subject a mouthful?

Next month I will be /P in Newport, OR, 7-land, for a conference (and the ARCI Fall test!. I plan to use a PVC Gusher II from N2CX to keep the stuff I am taking to a minimum. Right now it will be OHR100/20M, internal Tick2 keyer and internal 10 AA battery pack.

Back to the gusher. If I take extra 17 foot wires, in addition to the two for the dipole legs, I may be able to erect this as a vertical. But then how do I get a good match? Is there a way to determine this? Should I wind a coil to put accross the Gusher's terminals ala the B*nut verticals? How many turns/diameter of turns?

I have Hamcalc but did not see the program that does this, if it will work in the first place.

Can you help me?

Mark N2VPK

Date: Mon, 22 Sep 1997 14:42:15 -0600
From: Dick Schneider <rschneid@ix.netcom.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [27244] QRP AFIELD
Message-ID: <3426D827.3C6E@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

From: Self <Single-user mode>
To: QRP-L
Subject: QRP AFIELD
Date sent: Mon, 22 Sep 1997 14:23:04 -0600

From: Self <Single-user mode>
To: QRP-L
Subject: QRP AFIELD
Date sent: Sun, 21 Sep 1997 09:28:44 -0600

>From W0CQC, Colorado QRP Club station.
Operator: Dick Schneider AB0CD

IC706 @ 5W. Hustler mobile ant.
Location: Daniels Park, So. Of Denver
QRM by: N1FN & KB0WQT, a few hundred yards away.

Great QRP Afield event! We had three stations on the air in Daniels Park, N1FN, KB0WQT and W0CQC. Wx was brisk. Station proximity added challenge to getting your calls.

Much fun was had by all.

W0CQC SPC's:

AK, 1
AL, 1
AZ, 2
CA, 3
CO, 7
FL, 1
GA, 2
ID, 1
LA, 1
MA, 1
MI, 2
MN, 1
NC, 1
NJ, 4
NY, 3
OH, 3
ON, 1
OR, 1
PA, 2
TX, 9
VA, 1
WA, 1

72 Dick AB0CD..

Date: Mon, 22 Sep 1997 17:40:19 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: towertalk@contesting.com, antennas@qth.net, QRP-L List <qrp-l@Lehigh.EDU>
Subject: [27245] More on MININEC/NEC-4 with close wires
Message-ID: <Pine.SOL.3.94.970922173819.25989A-100000@utkux4.cas.utk.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I have added some further data and three new graphs to the posting on the difference between MININEC and NEC-4 with respect to models with closely spaced wires. I hope the additions are useful.

-73-

LB, W4RNL

L. B. Cebik, W4RNL /\ /\ * / / / (Off) (423) 974-7215
1434 High Mesa Drive / \ / \ / ----/\---- (Hm) (423) 938-6335
Knoxville, Tennessee /\ \ \ \ / / || / (FAX) (423) 974-3509
37938-4443 USA / \ \ \ || cebik@utk.edu
 URL: <http://funnelweb.utcc.utk.edu/~cebik/radio.html>

Date: Mon, 22 Sep 1997 17:19:33 -0400
From: Ricky McNelly <72507.235@compuserve.com>
To: qrp-l@Lehigh.EDU, "To: Craig" <acme@bellatlantic.net>, "To: Frank Matthews" <fmathews@norfolk.infi.net>
Subject: [27246] Re: Va Beach Hamfest
Message-ID: <199709221723_MC2-2175-8B8A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

To: > INTERNET:qrp-l@Lehigh.EDU;
To: Craig > INTERNET:acme@bellatlantic.net;
To: Frank Matthews > INTERNET:fmathews@norfolk.infi.net

Hi Frank, Craig and all,

I put together a QRP forum at the Chesapeake Springfest two years ago and had 6 or 7 folks show up. They seemed very interested in kit building after seeing my Sierra and WM-1 (I don't think I had my AT-11 yet). I had info sheets for qrp kit makers available too. My talk centered on my own entry into kit building and QRP operating, discussion of what kits are available and degree of difficulty building and tuning vs electronics experience.

I'm interested in forming an informal QRP club in the tidewater area, if you'd like to give it a shot send me e-mail and we can get it started !

By the way, the guy w/the HW-8 offered it to me for \$125 w/power supply, headphones, impedance adaptor, external speaker and the RS DSP I had just sold to him for \$20 thrown in for free (the thing is like a boomerang!). The rig was in fine shape (well built, I had a look inside) with no mods and the original manual. I think it was a fair price and would have taken it but I know its performance wouldn't compare with my Sierra and I just dropped \$125 on a scope so had to pass.

I did ok at the hamfest. Picked up the scope (HP 1707B 75 Mhz !), an old HP audio sig gen (big round dial w/ coarse/fine adj knobs) for \$20 (will be great for playing with resonant speakers), and a Heathkit experimenters breadboard kit (with +/- 12v, 5v, 1 Hz, 1 Khz, 100 Khz square wave gen, etc) for \$20 (no manual though). The scopes 1 Khz square wave calibrator is inop but puts out 1V dc (used the heathkit experimenters kit to calibrate the probes), anyone know where I can get a manual ?

Also saw a ham showing off a new Sierra, a NorCal 40, and a TE NE KE paddle. Turns out he is from up north and quit this list awhile back (don't ask who he was, I have a horrible memory and did not write down name or call). Sierra had Tick 2 keyer and RF meter installed. NorCal 40 was nicely done and also had a very small RF meter - installation was very nicely done.

72/73's,

--Rick, KE4IZH

Chesapeake, VA 09/22/97.

Date: Mon, 22 Sep 97 13:47:00 PDT
From: Mike J Pulley <Mike_J_Pulley@ccm.ch.intel.com>
To: qrp-1@lehigh.edu
Cc: Rocky_A_Evans@ccm.ch.intel.com, Larry_H_Gass@ccm.ch.intel.com
Subject: [27247] QRP Afield a la Desert Rat (long)

The Arizona Canvas Slappers joined in the QRP Afield fray once again. This year we cast 950mW lightning bolts from the 6100' mountains near Prescott, AZ. Did I say lightning bolts? Sheesh!

Too many animated movies recently. More like star light. Vegans, maybe. It always amazes me that anybody hears our peanut whistle at all. Wonders never cease.

In any case, Larry (KG7WS) and Mike (WB4ZKA) and our respective families scurried out of hot Phoenix like the desert rats we are.

We pitched our tents at an off-season Summer camp. It offers running water, hot showers (decadent luxury in AZ campgrounds!), lots of space, no crowds, and peaceful quiet. Quiet, that is, until we fired up the QRP rigs!

After Murphy's cameo appearance, Larry and I worked the last 6 hours of the contest. I guess most of the New England QRP stations were busy canning for the Winter. We had to work stations outside the contest to score those coveted New England states. Where were all the NE-QRP home boys?

20m was our workhorse band, while 40m cooperated only occasionally between <CRASH!> QRN from <ka-POW!> some distant thunder <KRACK!-ka-krack-krack-ack> storm. We waited for the usual 40m CA feeding frenzy on late Saturday afternoon, but they must have gotten distracted by old Hee-Haw reruns or something.

AL7FS gave us our first 20m QSO. He held court around 14.070 for a couple hours, producing a steady stream of contacts. Later in the day, we greeted JA7KE, "Hiro" from Miyagi, Japan. He was incredulous that we were running almost an entire watt whereas he was pumping 1kW to keep up. Hiro did have a nice signal and good, clean sending.

I'm saving my lunch money to buy N4BP a receiver. <g> Bob, I heard you all day holding forth on 20m. But nothing I did could make my signal wiggle your speaker coil. We almost despaired until WD4MDK jumped in to give us Florida.

Nice to hear Clif, AB5UA again. As well as WQ0RP's maiden voyage. And the "Juicer" K10J, K5ZTY, K5UP, AC5AM, the "NA5 twins (NA5K & NA5N), WA9PWP, KD7S, W6SIY, WA5WHN and several other familiar callsigns. What a pleasant way to spend a cool pines camping weekend!

So, 54 Q's, 22 S/P/C's, and low/field category netted us 9504 points. That's 35% better than last year, which makes us successful in our book.

Our station consisted of...

NE-40/40 rig on 40m

MFJ-9020 on 20m
MFJ QRP tuner
Palomar memory keyer, Bencher paddles
Carolina Windom (40m version) up 55', oriented N-S
3 ah gel cell

Regards,

-- Mike Pulley, WB4ZKA

Phoenix, Arizona USA
Mike_J_Pulley@ccm.hf.intel.com

Date: Mon, 22 Sep 97 18:02:57 PDT
From: gregoire@endor.com
To: Low power amateur radio discussion <qrp-1@lehigh.edu>
Subject: [27248] anti-cw cry babies,whaaaaaaaaa!
Message-ID: <Chameleon.970922181857.GREGOIRE@Gregoire.endor.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I don't do this often, but!!!!

If CW is ineficient then why were MORE THAN HALF OF
THE 80,673 q's made to VK0IR (Heard Island),take place
using CW? 45,536 q's to be exact.

Only 33,081 in SSB, and 2056 in RTTY.
Read and weep digi-dweebs.

Must be that the 45.5 K hams didn't know that CW was
dead, huh?

This of course completely misses the point that CW is fun
to do. Fun being a very valid reason for it's existance.

Must be the 45.5 K hams didn't know it was fun too, huh?

de AA1IK, Time the acursed enemy of man,
cursed youth for going to slow

Ernie Gregoire and by the old for going to
fast.

R.R. 1, Box 221,
South Rd. Fists # 2644, ARCI # 9500
Canaan, NH. 03741 QRP-L # 95, Fly fisher & tier,
 Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

09/22/97 18:02:57

Date: Mon, 22 Sep 1997 10:39:01 -0700
From: laura halliday <ve7ldh@direct.ca>
To: qrp-l@Lehigh.EDU
Subject: [27249] Re: The demise of CW
Message-ID: <3426AD35.1284C4E6@direct.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Monte Stark wrote:

> I think most have failed to see the original piece by KD9LA. It was
> nothing more than a statement about the usfullness of CW during
> emergency communications.

Thanks, Monte. I haven't seen the original either, but this sounds
much more sensible - if one is to participate in emergency
communications, one must fit into a larger world, and use the
modes *they* use. I'd much rather see really good coordination
with local emergency folks - be they PEP, Raynet, RASEC, ARES,
or whoever - instead of incessant quibbling over irrelevancies.

Living in an earthquake hazard area, this stuff matters to me...
I know how scary a mere 5.5 on the Richter Scale can be. I hope
I never find out what 8.0 (or worse) feels like.

OBQRP: I find it illuminating to read some of the professional
rags (e.g. RF Design). "Wireless" and "portable" are currently
very trendy, and with stringent power supply and efficiency

requirements (not to mention low parts counts for low-cost manufacture and high reliability), some really neat things are happening. Stuff that us QRPers would be well advised to brush up on ourselves.

...laura

Date: Mon, 22 Sep 1997 17:47:03 -0500
From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-l@Lehigh.EDU
Subject: [27250] re: Heathkit paint !
Message-ID: <199709222244.RAA646542@mail1.doit.wisc.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all,

Since there is so much interest in the "hot-water" QRP rigs, and an occasional request for paint, I am passing along some info I have on a local ham who has matching paint for Heath and other brands of "boatanchor" rigs. Rob also sells parts, like knobs, plugs, belts, dial scales, etc. Yes he has paint for the "lunchbox" rigs as well!

I am sure Rob has been on the "boatanchors" list, but don't recall seeing him mentioned here before.
(disclaimer, I know Rob, great guy, I haven't tried his products, but tell him Paul sent you :-) :-) :-))

R & R Designs
Rob Hummel WA9ZTY
202 Midvale Dr.
Marshall, Wi 53559
1-608-255-0400
rhummel@aol.com for catalog , updates, and orders

OBQRP: Only had 45 minutes to operate QRP-A but found lotsa action, 12 QSOs , mostly on 20 mtrs. Worked AL7FS but no area 51 !

72, Paul

Paul R Goemans WA9PWP
1508 Sundt Lane
Stoughton, Wi. 53589-1069 608-877-4151
QRP ARCI 7291 NorCal 1226 QRP-L 127 FISTS 2153

End of QRP-L Digest 856
